

Call for Participation: AMSI–AUSTMS WORKSHOP ON BRIDGING MATHS AND COMPUTER SCIENCE

May 31 – June 3, 2022

Sydney, Australia 

<https://sites.google.com/view/2022-workshop-bridgingmathstcs/>

This 4-day workshop will bring together Australian and Australasian researchers in mathematics and theoretical computer science, in view of fostering exchanges and collaborations. Specifically, the workshop will focus on two themes, from the point of view of both the mathematics and computer science community, with ample time for informal discussions around each:

- Computational Complexity and Cryptography
- Graph Theory and Combinatorics

Each day will involve plenary talks by both members of the mathematics and computer science communities, and time devoted to open problems and interesting research directions, as seen by both communities.

Invited speakers

Theme 1: Computational Complexity and Cryptography

- Prof. Andrej Bogdanov (Chinese University of Hong Kong)
- Prof. Serge Gaspers (University of New South Wales)
- Dr. Veronika Kuchta (University of Queensland)
- Dr. Olya Ohrimenko (University of Melbourne)

Theme 2: Graph Theory and Combinatorics

- Prof. Catherine Greenhill (University of New South Wales)
- Prof. Gordon Royle (University of Western Australia)
- Prof. Birgit Vogtenhuber (Graz University of Technology)
- Prof. Nicholas Wormald (Monash University)

Format and Registration

We plan to have an on-site workshop. To participate in the workshop, registration is required.

<https://sites.google.com/view/2022-workshop-bridgingmathstcs/details-and-registration>

Registration is open to every researcher and/or student interested in the themes. The cost of registration is \$60 (AUD) for general attendees, and \$40 AUD for AustMS members (free/discounted membership available to students) and registrants from AMSI member institutions. It includes participation in the workshop and dinner/banquet on the 3rd day (lunch is not included).

Some travel funding is available for students:

<https://sites.google.com/view/2022-workshop-bridgingmathstcs/travel-funding>

(Deadline to apply: **April 26, AoE**)

We hope to see you there!

Clément Canonne (School of Computer Science, University of Sydney)
Catherine Greenhill (University of New South Wales)
Nalini Joshi (School of Mathematics and Statistics, University of Sydney)
Troy Lee (University of Technology Sydney)
André van Renssen (School of Computer Science, University of Sydney)
William Umboh (School of Computer Science, University of Sydney)

